□ = 1-15 January
○ = 16-31 January

○ = 0 birds
④ = 1-10 "
○ = 11-25 "
○ = 26-50 "
○ = 51-100 "
● = 101-500"
● = 500+ "

JANUARY

SI-MN'1-38 (REV. 9-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°
30° NORTH
20°
10°
10° SOUTH
180° WEST 170° 160° 150° WEST

HAWAII

KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
LAYSAN I.
GARDNER PINNACLES
FRENCH FRIGATE SHOALS
NECKER I.
NIHOA I.
NIIHAU I.
KAUAI I.
KAULA I.
OAHU I. ④
MOLOKAI I. 3 4
MAUI I. ⑧
HAWAII I.
JOHNSTON-SAND I. 1

KINGMAN REEF
PALMYRA I.
WASHINGTON I.
FANNING I.
CHRISTMAS I.
JARVIS I.

HOWLAND I.
BAKER I.

PHOENIX ISLANDS
CANTON I.
ENDERBURY I.
McKEAN I.
BIRNIE I.
PHOENIX I.
HULL I.
SYDNEY I.
GARDNER I.

MALDEN I.
STARBUCK I.

TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.

TONGAREVA I.
CAROLINE I.

0 100 200 300 400 500 STATUTE MILES
30° 20° 10° EQUATOR

□ = 1-15 February
○ = 16-31 February
④ == 0 birds
○ = 1-10 "
○ = 11-25 "
○ = 26-50 "
○ = 51-100 "
● = 101-500"
● = 500+ "

FEBRUARY

SI-MNH-38 (REV. 9-65)

CENTRAL PACIFIC OCEAN

□ = 1-15 March
○ =16-31 March
④ = 0 birds
○ = 1-10 "
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500 "
● =500+ "

MARCH

SI-1414-38 (REV. 9-85)

CENTRAL PACIFIC OCEAN

HAWAIIAN ISLANDS

KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
LAYSAN I.
GARDNER PINNACLES
FRENCH FRIGATE SHOALS
NECKER
NIHOA I.
KAUAI I.
NIIHAU I.
OAHU I.
MAUI I.
HAWAII I.
JOHNSTON-SAND I.
KINGMAN REEF
PALMYRA I.
WASHINGTON I.
FANNING I.
CHRISTMAS I.
HOWLAND I.
BAKER I.
JARVIS I.
PHOENIX ISLANDS
CANTON I.
ENDERBURY I.
McKEAN I.
BIRNIE I.
PHOENIX I.
HULL I.
SYDNEY I.
GARDNER I.
MALDEN I.
STARBUCK I.
TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.
TONGAREVA I.
CAROLINE I.

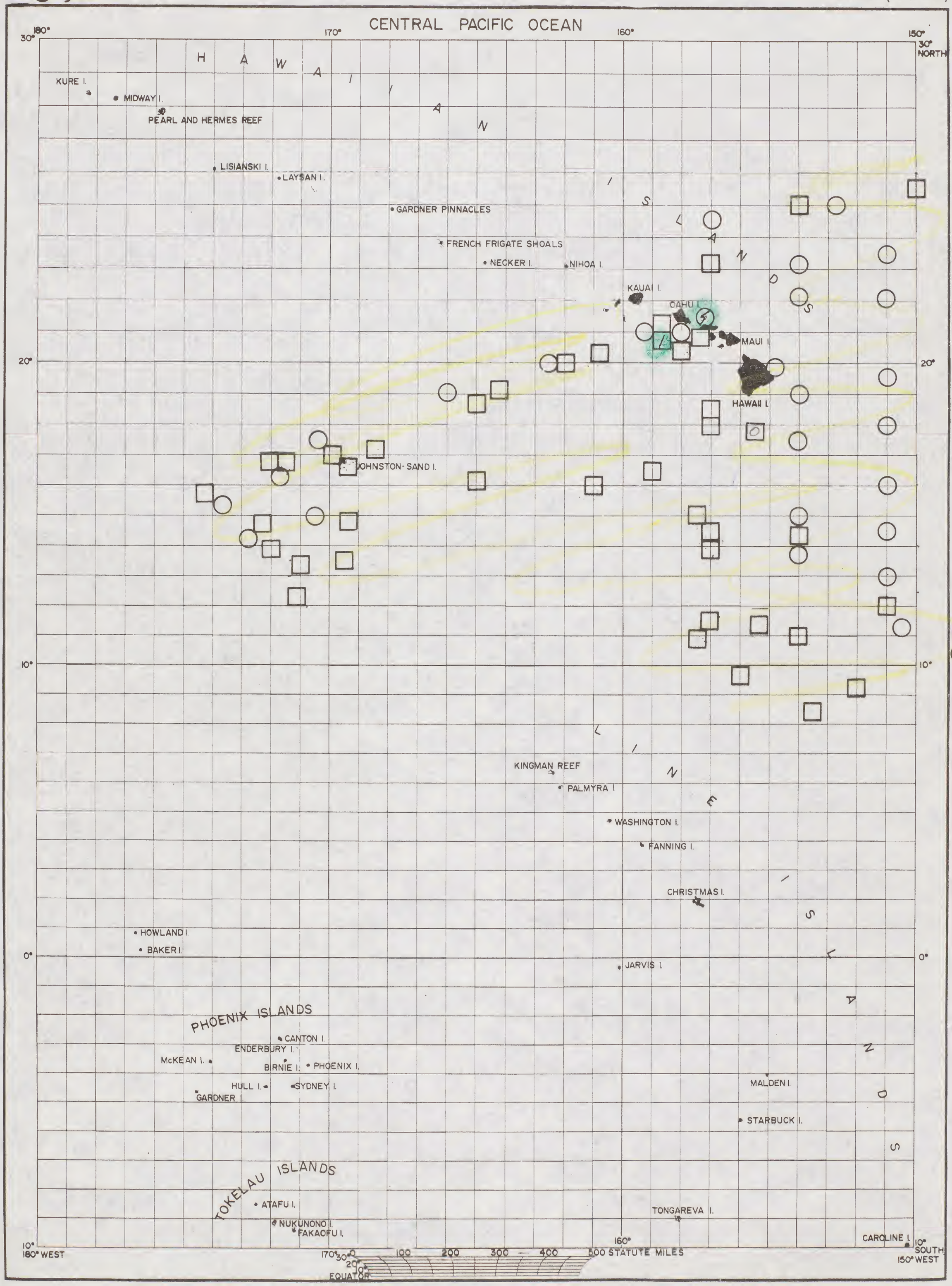
180° WEST 170° 160° 150° WEST
30° NORTH 20° 10° 0° 10° SOUTH
0 100 200 300 400 500 STATUTE MILES
30° 20° 10° EQUATOR

□= 1-15 April
○=16-31 April
○= 0 birds
④= 1-10 "
○=11-25 "
○=26-50 "
○=50-100 "
●=101-500"
●=500+ "

B15

APRIL

SI-MNH-38 (REV. 9-65)



□ 1-15 May

○ = 16-31 May

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

MAY

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

HAWAIIAN ISLANDS

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

LISIANSKI I.

LAYSAN I.

GARDNER PINNACLES

FRENCH FRIGATE SHOALS

NECKER I.

NIHOA I.

KAUAI I.

OAHU I.

MAUI I.

HAWAII I.

20°

JOHNSTON-SAND I.

KINGMAN REEF

PALMYRA I.

WASHINGTON I.

FANNING I.

CHRISTMAS I.

10°

HOWLAND I.

BAKER I.

0°

JARVIS I.

PHOENIX ISLANDS

CANTON I.

ENDERBURY I.

McKEAN I.

BIRNIE I.

PHOENIX I.

HULL I.

SYDNEY I.

GARDNER I.

MALDEN I.

STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

10° SOUTH

180° WEST 170° 160° 150° WEST

0 100 200 300 400 500 STATUTE MILES

30° 20° 10° EQUATOR

□ 1-15 June

○ = 16-31 June

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

JUNE

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

HAWAIIAN ISLANDS

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

LISIANSKI I.

LAYSAN I.

GARDNER PINNACLES

FRENCH FRIGATE SHOALS

NECKER I.

NIHOA I.

KAUAI I.

OAHU I.

MAUI I.

HAWAII I.

20°

JOHNSTON-SAND I.

KINGMAN REEF

PALMYRA I.

WASHINGTON I.

FANNING I.

CHRISTMAS I.

LINE ISLANDS

10°

HOWLAND I.

BAKER I.

JARVIS I.

0°

PHOENIX ISLANDS

CANTON I.

ENDERBURY I.

McKEAN I.

BIRNIE I.

PHOENIX I.

HULL I.

SYDNEY I.

GARDNER I.

MALDEN I.

STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

10° SOUTH

10° 180° WEST

170° 30° 20° 10° EQUATOR

0 100 200 300 400 500 STATUTE MILES

160°

150° WEST

□ 1-15 July
○ = 16-31 July
○ = 0 birds
Ⓐ =1-10 birds
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500"
● =500+ "

JULY

SI-MN-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°
30° NORTH
20°
10°
0°
10° SOUTH
180° WEST 170° 160° 150° WEST

HAWAIIAN ISLANDS

KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
LAYSAN I.
GARDNER PINNACLES
FRENCH FRIGATE SHOALS
NECKER I.
NIHOA I.
KAUAI I.
OAHU I.
MAUI I.
HAWAII I.
JOHNSTON-SAND I.
KINGMAN REEF
PALMYRA I.
WASHINGTON I.
FANNING I.
CHRISTMAS I.
HOWLAND I.
BAKER I.
JARVIS I.
PHOENIX ISLANDS
CANTON I.
ENDERBURY I.
McKEAN I.
BIRNIE I.
PHOENIX I.
HULL I.
SYDNEY I.
GARDNER I.
MALDEN I.
STARBUCK I.
TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.
TONGAREVA I.
CAROLINE I.

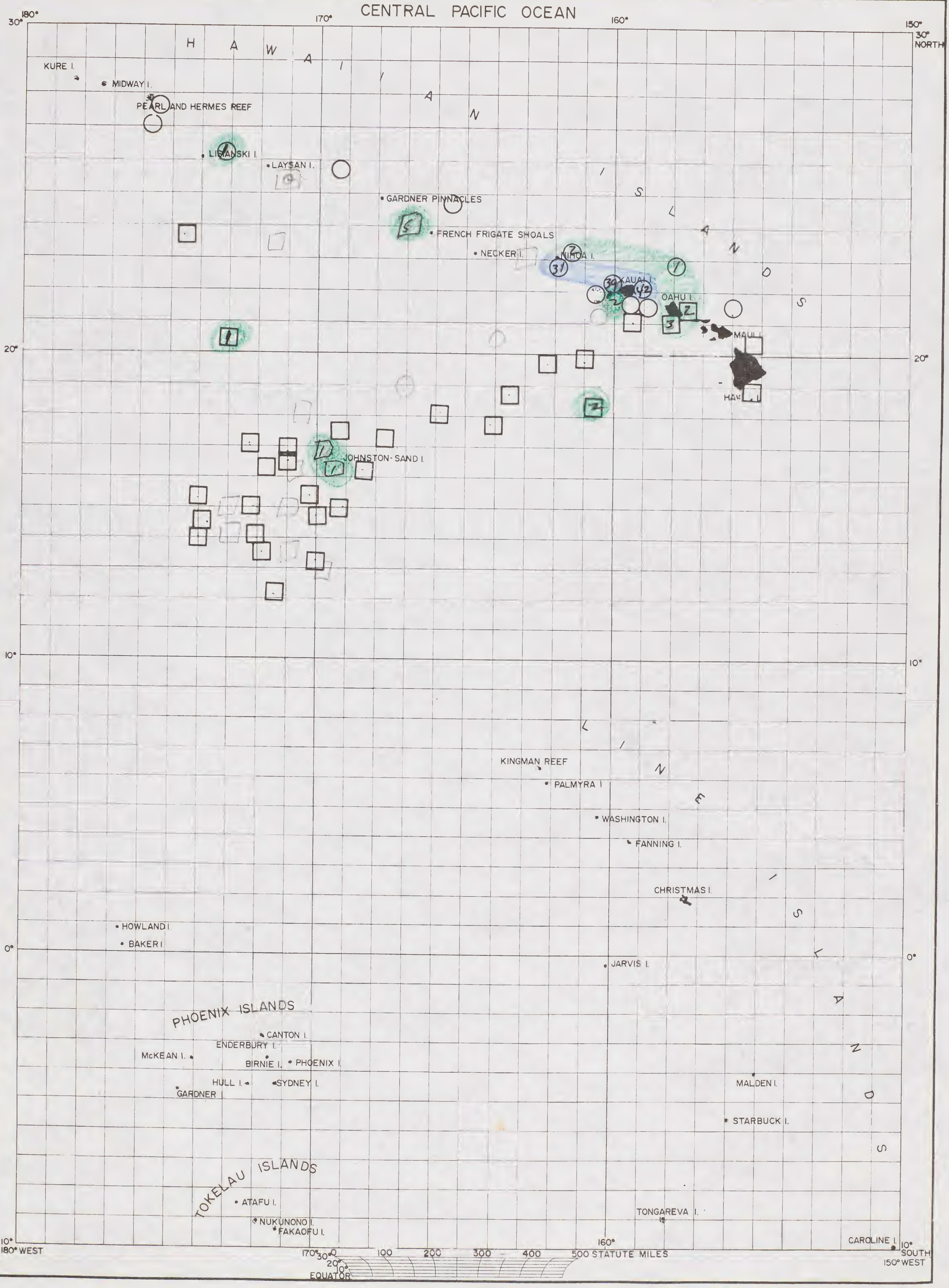
LINE ISLANDS

0 100 200 300 400 500 STATUTE MILES
30° 20° 10° EQUATOR

□ 1-15 August
○ = 16-31 August
○ = 0 birds
④ = 1-10 "
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500"
● =500+ "

AUGUST

SI-MMH-38 (8-65)



□ 1-15 September

○ = 16-31 September

○ = 0 birds

④ = 1-10 "

○ = ~~11~~1-25 "

○ =26-50 "

○ =51-100 "

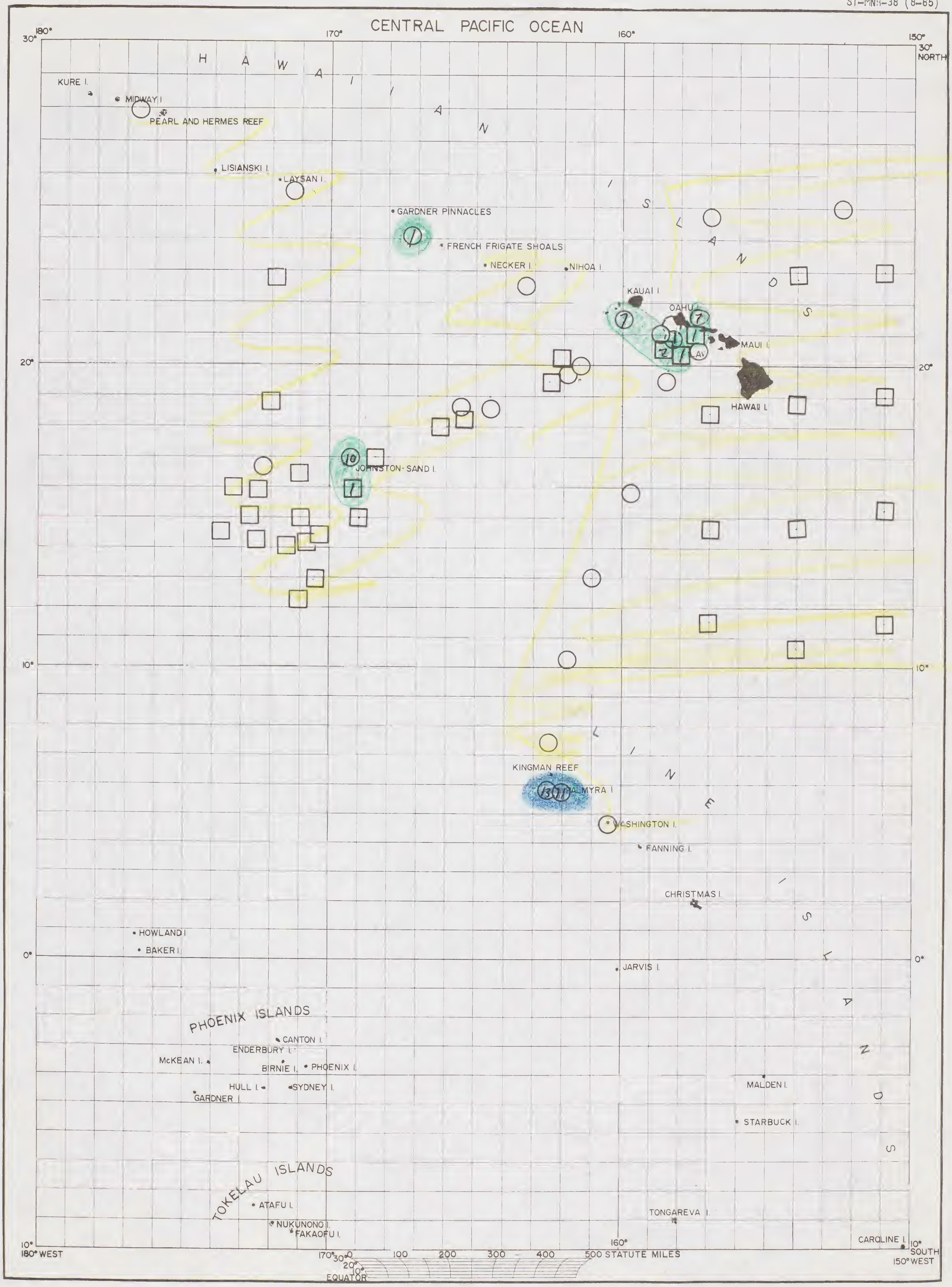
● =101-500"

● =500+ "

13 13

SEPTEMBER

SI-MNH-38 (8-65)



□ 1-15 October

○ = 16-31 October

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

B 62

OCTOBER

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

20°

10°

0°

10° SOUTH

HAWAIIAN ISLANDS

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

LISIANSKI I.

LAYSAN I.

GARDNER PINNACLES

FRENCH FRIGATE SHOALS

NECKER I.

NIHOA I.

KAUAI I.

OAHU I. 3 1 5 1 (13)

MAUI I.

HAWAII I.

JOHNSTON-SAND I. 1 1

1 1 1

LINE ISLANDS

KINGMAN REEF

PALMYRA I.

WASHINGTON I.

FANNING I.

CHRISTMAS I. 3 (12)

HOWLAND I.

BAKER I.

JARVIS I.

PHOENIX ISLANDS

CANTON I.

ENDERBURY I.

McKEAN I.

BIRNIE I.

PHOENIX I.

HULL I.

SYDNEY I.

GARDNER I.

MALDEN I.

STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

180° WEST 170° 160° 150° WEST

0 100 200 300 400 500 STATUTE MILES

30° 20° 10° EQUATOR

□ 1-15 November

○ = 16-31 November

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

NOVEMBER

SI-MN4-38(8-55)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

20°

10°

0°

10° SOUTH

HAWAII

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

LISIANSKI I.

LAYSAN I.

GARDNER PINNACLES

FRENCH FRIGATE SHOALS

NECKER I.

NIHOA I.

KAUAI I.

OAHU I.

MAUI I.

HAWAII I.

JOHNSTON-SAND I.

KINGMAN REEF

PALMYRA I.

WASHINGTON I.

FANNING I.

CHRISTMAS I.

HOWLAND I.

BAKER I.

JARVIS I.

PHOENIX ISLANDS

CANTON I.

ENDERBURY I.

McKEAN I.

BIRNIE I.

PHOENIX I.

HULL I.

SYDNEY I.

GARDNER I.

MALDEN I.

STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

SOUTH PACIFIC OCEAN

180° WEST 170° 160° 150° WEST

30° 20° 10° EQUATOR

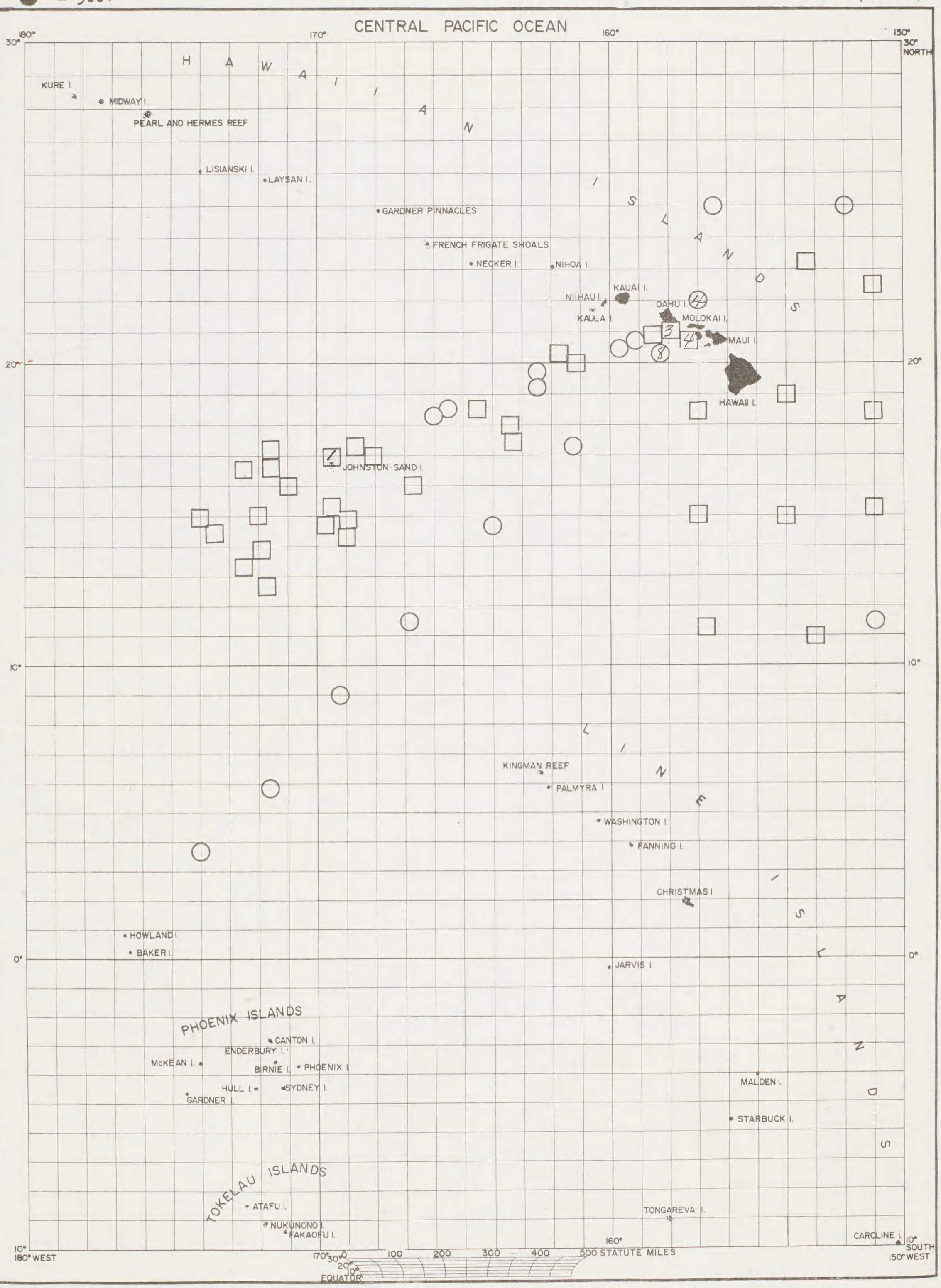
0 100 200 300 400 500 STATUTE MILES

□ = 1-15 January
○ = 16-31 January

○ = 0 birds
④ = 1-10 "
○ = 11-25 "
○ = 26-50 "
○ = 51-100 "
● = 101-500 "
● = 500+ "

JANUARY

SI-MN'1-38 (REV. 9-65)



□ = 1-15 January
○ = 16-31 January

○ = 0 birds
④ = 1-10 "
○ = 11-25 "
○ = 26-50 "
○ = 51-100 "
● = 101-500"
● = 500+ "

JANUARY

SI-MN'4-38 (REV. 9-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°
30° NORTH
20°
10°
0°
10° SOUTH
180° WEST 150° WEST

HAWAIIAN ISLANDS

KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
LAYSAN I.
GARDNER PINNACLES
FRENCH FRIGATE SHOALS
NECKER I.
NIHOA I.
KAUAI I.
NIIHAU I.
KAULA I.
OAHU I. ④
MOLOKAI I. 3 4
MAUI I. 8
HAWAII I.
JOHNSTON-SAND I. 6

LINE ISLANDS

KINGMAN REEF
PALMYRA I.
WASHINGTON I.
FANNING I.
CHRISTMAS I.
HOWLAND I.
BAKER I.
JARVIS I.

PHOENIX ISLANDS

CANTON I.
ENDERBURY I.
McKEAN I.
BIRNIE I.
PHOENIX I.
HULL I.
SYDNEY I.
GARDNER I.
MALDEN I.
STARBUCK I.

TOKELAU ISLANDS

ATAFU I.
NUKUNONO I.
FAKAOFU I.
TONGAREVA I.
CAROLINE I.

0 100 200 300 400 500 STATUTE MILES
30° 20° 10° EQUATOR

□ = 1-15 February
○ = 16-31 February
④ = 0 birds
○ = 1-10 "
○ = 11-25 "
○ = 26-50 "
○ = 51-100 "
● = 101-500 "
● = 500+ "

FEBRUARY

SI-NMH-38 (REV. 8-65)

CENTRAL PACIFIC OCEAN

180° 170° 150° 150°
30° 30° NORTH
20° 20°
10° 10°
0° 0°
10° 180° WEST 170° 150° 160° 10° SOUTH 150° WEST

HAWAIIAN ISLANDS

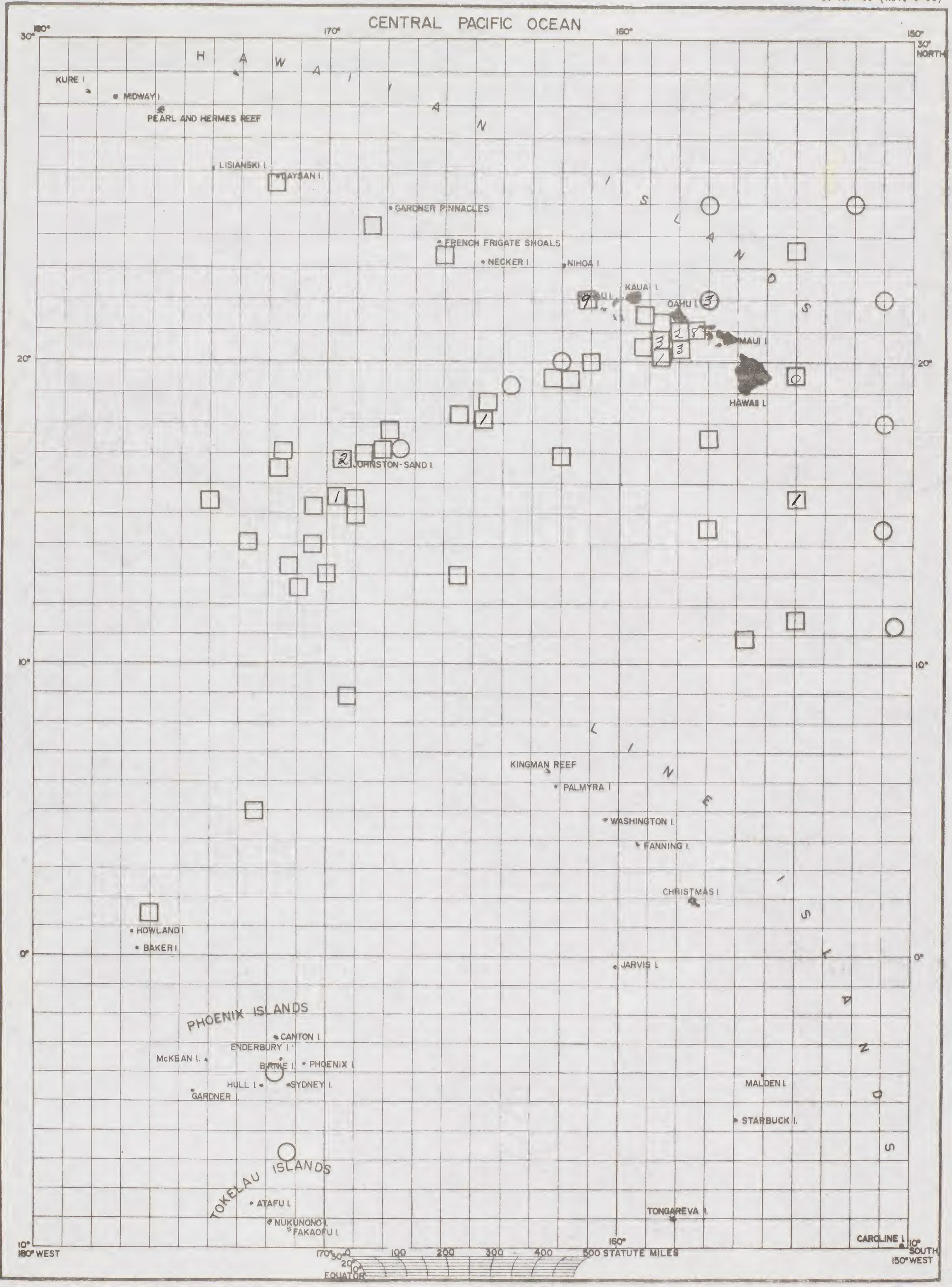
KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
LAYSAN I.
GARDNER PINNACLES
FRENCH FRIGATE SHOALS
NECKER I.
NIHOA I.
KAUAI I.
OAHU I.
MAUI I.
HAWAII I.
JOHNSTON-SAND I.
KINGMAN REEF
PALMYRA I.
WASHINGTON I.
FANNING I.
CHRISTMAS I.
HOWLAND I.
BAKER I.
JARVIS I.
PHOENIX ISLANDS
CANTON I.
ENDERBURY I.
McKEAN I.
BIRNIE I.
PHOENIX I.
HULL I.
SYDNEY I.
GARDNER I.
MALDEN I.
STARBUCK I.
TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.
TONGAREVA I.
CAROLINE I.

50 0 100 200 300 400 500 STATUTE MILES
20 0 EQUATOR

□ = 1-15 February
○ = 16-31 February
④ == 0 birds
○ = 1-10 "
○ = 11-25 "
○ = 26-50 "
○ = 51-100 "
● = 101-500 "
● = 500+ "

FEBRUARY

SI-NMH-38 (REV. 8-85)



□ = 1-15 March
○ =16-31 March
④ = 0 birds
○ = 1-10 "
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500 "
● =500+ "

MARCH

SI-NMH-38 (REV. 9-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150° WEST
30° 30° NORTH
20° 20°
10° 10°
0° 0°
10° SOUTH

HAWAII

KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
LAYSAN I.
GARDNER PINNACLES
FRENCH FRIGATE SHOALS
NECKER
NIIHOA I.
NIIHAU I.
KAUAI I.
OAHU I.
MAUI I.
HAWAII I.
JOHNSTON-SAND I.
KINGMAN REEF
PALMYRA I.
WASHINGTON I.
FANNING I.
CHRISTMAS I.
HOWLAND I.
BAKER I.
JARVIS I.

PHOENIX ISLANDS
CANTON I.
ENDERBURY I.
McKEAN I.
BIRNIE I.
PHOENIX I.
HULL I.
SYDNEY I.
GARDNER I.
MALDEN I.
STARBUCK I.

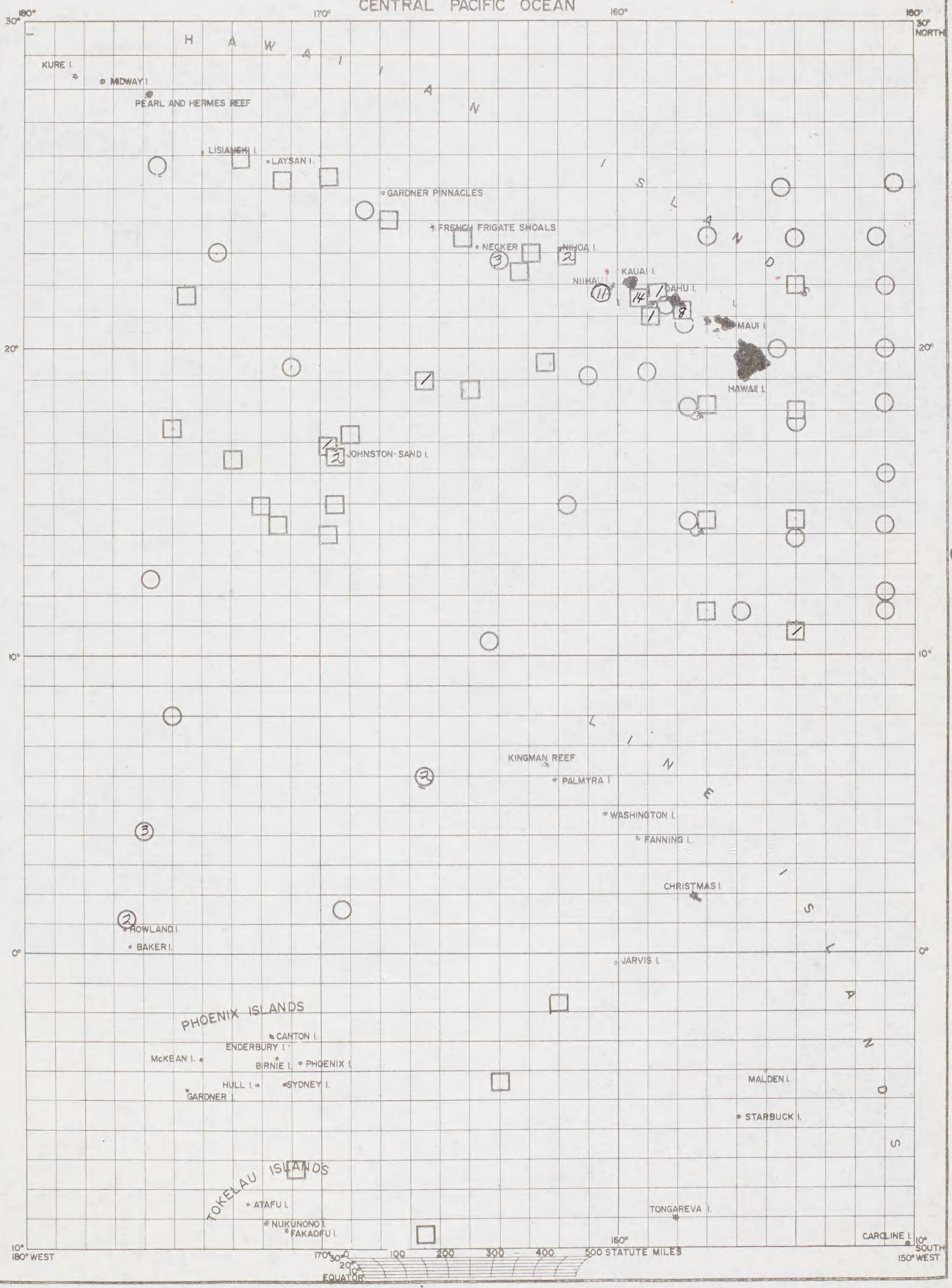
TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.
TONGAREVA I.
CAROLINE I.

180° WEST 170° 160° 150° WEST
30° 20° 10° EQUATOR 10° SOUTH
0 100 200 300 400 500 STATUTE MILES

□ = 1-15 March
○ =16-31 March
④ = 0 birds
○ = 1-10 "
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500"
● =500+ "

MARCH

SI-4NH-38 (Rev. 9-85)



□= 1-15 April
○=16-31 April
○= 0 birds
④= 1-10 "
○=11-25 "
○=26-50 "
○=50-100 "
●=101-500"
●=500+ "

APRIL

SI-MNH-38 (REV. 9-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°
30° NORTH
20°
10°
0°
10° SOUTH
180° WEST 170° 160° 150° WEST

HAWAIIAN ISLANDS

KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
LAYSAN I.
GARDNER PINNACLES
FRENCH FRIGATE SHOALS
NECKER I.
NIHOA I.
KAUAI I.
OAHU I. ⑤
MAUI I.
HAWAII I.
JOHNSTON-SAND I.
KINGMAN REEF
PALMYRA I
WASHINGTON I.
FANNING I.
CHRISTMAS I.
HOWLAND I.
BAKER I.
JARVIS I.

PHOENIX ISLANDS
CANTON I.
ENDERBURY I.
McKEAN I.
BIRNIE I.
PHOENIX I.
HULL I.
SYDNEY I.
GARDNER I.
MALDEN I.
STARBUCK I.

TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.

TONGAREVA I.
CAROLINE I.

0 100 200 300 400 500 STATUTE MILES
EQUATOR

□ = 1-15 April
○ = 16-31 April
○ = 0 birds
④ = 1-10 "
○ = 11-25 "
○ = 26-50 "
○ = 50-100 "
● = 101-500 "
● = 500+ "

APRIL

SI-MNH-38 (REV. 9-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°
30° NORTH
20°
10°
0°
10° SOUTH
180° WEST 170° 160° 150° WEST

HAWAII

KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
LAYSAN I.
GARDNER PINNACLES
FRENCH FRIGATE SHOALS
NECKER I.
NIHOA I.
KAUAI I.
OAHU I. 5
MAUI I.
HAWAII I. 0
JOHNSTON-SAND I.
KINGMAN REEF
PALMYRA I.
WASHINGTON I.
FANNING I.
CHRISTMAS I.
HOWLAND I.
BAKER I.
JARVIS I.

PHOENIX ISLANDS
CANTON I.
ENDERBURY I.
McKEAN I.
BIRNIE I.
PHOENIX I.
HULL I.
SYDNEY I.
GARDNER I.
MALDEN I.
STARBUCK I.

TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.
TONGAREVA I.
CAROLINE I.

0 100 200 300 400 500 STATUTE MILES
30° 20° 10° EQUATOR

□ 1-15 May

○ = 16-31 May

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

MAY

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

HAWAII

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

LISIANSKI I.

LAYSAN I.

GARDNER PINNACLES

FRENCH FRIGATE SHOALS

NECKER I.

NIHOA I.

KAUAI I.

OAHU

MAUI I.

HAWAII I.

20°

JOHNSTON-SAND I.

10°

KINGMAN REEF

PALMYRA I.

WASHINGTON I.

FANNING I.

CHRISTMAS I.

HOWLAND I.

BAKER I.

0°

JARVIS I.

PHOENIX ISLANDS

CANTON I.

ENDERBURY I.

McKEAN I.

BIRNIE I.

PHOENIX I.

HULL I.

SYDNEY I.

GARDNER I.

MALDEN I.

STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

10° SOUTH

10° 180° WEST

170° 160° 150° WEST

0 100 200 300 400 500 STATUTE MILES

30° 20° 10° EQUATOR

□ 1-15 May

○ = 16-31 May

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

MAY

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150° 30° NORTH

20° 10° 0°

HAWAIIAN ISLANDS

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

LISIANSKI I.

LAYSAN I.

GARDNER PINNACLES

FRENCH FRIGATE SHOALS

NECKER I.

NIHOA I.

KAUAI I.

OAHU 4

2 1

MAUI I.

HAWAII I.

JOHNSTON-SAND I.

KINGMAN REEF

PALMYRA I.

WASHINGTON I.

FANNING I.

CHRISTMAS I.

HOWLAND I.

BAKER I.

JARVIS I.

PHOENIX ISLANDS

CANTON I.

ENDERBURY I.

McKEAN I.

BIRNIE I.

PHOENIX I.

HULL I.

SYDNEY I.

GARDNER I.

MALDEN I.

STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

LINE ISLANDS

180° WEST 170° 160° 150° WEST

30° 20° 10° EQUATOR 10° SOUTH

0 100 200 300 400 500 STATUTE MILES

□ 1-15 June

○ = 16-31 June

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

JUNE

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

20°

10°

0°

10° SOUTH

180° WEST 170° 160° 150° WEST

HAWAIIAN ISLANDS

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

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TOKELAU ISLANDS

ATAFU I.

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CAROLINE I.

0 100 200 300 400 500 STATUTE MILES

30° 20° 10° EQUATOR

□ 1-15 June

○ = 16-31 June

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

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JUNE

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

20°

10°

0°

10° SOUTH

HAWAIIAN ISLANDS

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STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

180° WEST 170° 160° 150° WEST

0 100 200 300 400 500 STATUTE MILES

30° 20° 10° EQUATOR

□ 1-15 July
○ = 16-31 July
○ = 0 birds
④ =1-10 birds
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500"
● =500+ "

JULY

SI-MN-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°
30° NORTH
20°
10°
0°
10° SOUTH
180° WEST 170° 160° 150° WEST

HAWAIIAN ISLANDS

KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
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FRENCH FRIGATE SHOALS
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McKEAN I.
BIRNIE I.
PHOENIX I.
HULL I.
SYDNEY I.
GARDNER I.

TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.

0 100 200 300 400 500 STATUTE MILES
30° 20° 10° EQUATOR

□ 1-15 July
○ = 16-31 July
○ = 0 birds
Ⓐ =1-10 birds
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500"
● =500+ "

JULY

SI-MN-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°
30° NORTH
20°
10°
0°
10° SOUTH
180° WEST 150° WEST

HAWAIIAN ISLANDS

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HAWAII I.
JOHNSTON-SAND I.

LINE ISLANDS

KINGMAN REEF
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WASHINGTON I.
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PHOENIX ISLANDS

CANTON I.
ENDERBURY I.
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GARDNER I.

TOKELAU ISLANDS

ATAFU I.
NUKUNONO I.
FAKAOFU I.

MALDEN I.
STARBUCK I.
TONGAREVA I.
CAROLINE I.

0 100 200 300 400 500 STATUTE MILES
30° 20° 10° EQUATOR

□ 1-15 August
○ = 16-31 August
○ = 0 birds
④ = 1-10 "
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500"
● =500+ "

AUGUST

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°
30° NORTH
20°
10°
0°
10° SOUTH
180° WEST 170° 160° 150° WEST

HAWAIIAN ISLANDS
KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
LAYSAN I.
GARDNER PINNACLES
FRENCH FRIGATE SHOALS
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TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.
TONGAREVA I.
CAROLINE I.

0 100 200 300 400 500 STATUTE MILES
30° 20° 10° EQUATOR

□ 1-15 August
○ = 16-31 August
○ = 0 birds
④ = 1-10 "
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500"
● =500+ "

AUGUST

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150° 30° NORTH
30° 20° 10° 0° 10° SOUTH
180° WEST 150° WEST

HAWAIIAN ISLANDS

KURE I.
MIDWAY I.
PEARL AND HERMES REEF
LISIANSKI I.
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GARDNER PINNACLES
FRENCH FRIGATE SHOALS
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TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.

MALDEN I.
STARBUCK I.
TONGAREVA I.
CAROLINE I.

0 100 200 300 400 500 STATUTE MILES
30° 20° 10° EQUATOR

□ 1-15 September

○ = 16-31 September

○ = 0 birds

④ = 1-10 "

○ = ~~11~~ 11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

SEPTEMBER

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

HAWAIIAN

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

LISIANSKI I.

LAYSAN I.

GARDNER PINNACLES

FRENCH FRIGATE SHOALS

NECKER I.

NIHOA I.

KAUAI I.

OAHU I.

MAUI I.

HAWAII I.

20°

JOHNSTON-SAND I.

10°

KINGMAN REEF

PALMYRA I.

WASHINGTON I.

FANNING I.

CHRISTMAS I.

HOWLAND I.

BAKER I.

0°

JARVIS I.

PHOENIX ISLANDS

CANTON I.

ENDERBURY I.

McKEAN I.

BIRNIE I.

PHOENIX I.

HULL I.

SYDNEY I.

GARDNER I.

MALDEN I.

STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

10° SOUTH

180° WEST 170° 160° 150° WEST

0 100 200 300 400 500 STATUTE MILES

30° 20° 10° EQUATOR

□ 1-15 September

○ = 16-31 September

○ = 0 birds

④ = 1-10 "

○ = ~~11~~1-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

SEPTEMBER

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

20°

10°

0°

10° SOUTH

HAWAIIAN ISLANDS

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

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FRENCH FRIGATE SHOALS

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STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

180° WEST 170° 160° 150° WEST

0 100 200 300 400 500 STATUTE MILES

30° 20° 10° EQUATOR

□ 1-15 October

○ = 16-31 October

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

OCTOBER

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

HAWAIIAN ISLANDS

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

LISIANSKI I.

LAYSAN I.

GARDNER PINNACLES

FRENCH FRIGATE SHOALS

NECKER I.

NIHOA I.

KAUAI I.

OAHU I.

MAUI I.

HAWAII I.

20°

JOHNSTON-SAND I.

KINGMAN REEF

PALMYRA I.

WASHINGTON I.

FANNING I.

CHRISTMAS I.

10°

HOWLAND I.

BAKER I.

0°

JARVIS I.

PHOENIX ISLANDS

CANTON I.

ENDERBURY I.

McKEAN I.

BIRNIE I.

PHOENIX I.

HULL I.

SYDNEY I.

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MALDEN I.

STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

10° SOUTH

10° 180° WEST 170° 160° 150° WEST

0 100 200 300 400 500 STATUTE MILES

30° 20° 10° EQUATOR

□ 1-15 October

○ = 16-31 October

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

OCTOBER

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

HAWAIIAN ISLANDS

KURE I.

MIDWAY I.

PEARL AND HERMES REEF

LISIANSKI I.

LAYSAN I.

GARDNER PINNACLES

FRENCH FRIGATE SHOALS

NECKER I.

NIHOA I.

KAUAI I.

OAHU I.

MAUI I.

HAWAII I.

20°

JOHNSTON-SAND I.

10°

KINGMAN REEF

PALMYRA I

WASHINGTON I.

FANNING I.

CHRISTMAS I.

HOWLAND I

BAKER I

0°

JARVIS I.

PHOENIX ISLANDS

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HULL I.

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GARDNER I.

MALDEN I.

STARBUCK I.

TOKELAU ISLANDS

ATAFU I.

NUKUNONO I.

FAKAOFU I.

TONGAREVA I.

CAROLINE I.

10° SOUTH

10° 180° WEST

170° 160° 150° WEST

0 100 200 300 400 500 STATUTE MILES

30° 20° 10° EQUATOR

□ 1-15 November

○ = 16-31 November

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

○ =51-100 "

● =101-500"

● =500+ "

NOVEMBER

SI-MNH-38(8-55)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°

30° NORTH

20°

10°

0°

10° SOUTH

HAWAIIAN ISLANDS

KURE I.

MIDWAY I.

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LINE ISLANDS

TOKELAU ISLANDS

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CAROLINE I.

180° WEST 170° 160° 150° WEST

0 100 200 300 400 500 STATUTE MILES

30° 20° 10° EQUATOR

□ 1-15 November

○ = 16-31 November

○ = 0 birds

④ = 1-10 "

○ =11-25 "

○ =26-50 "

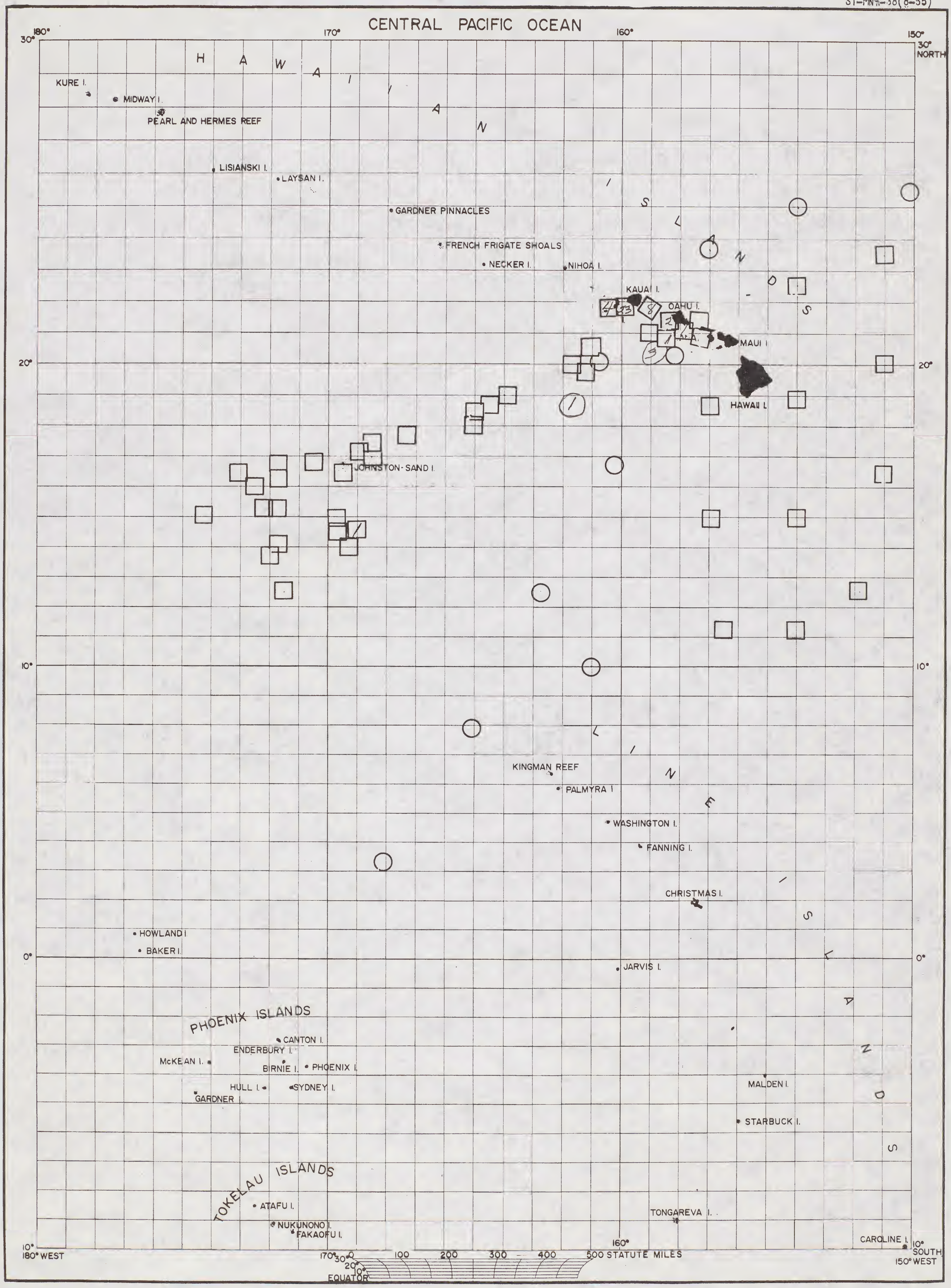
○ =51-100 "

● =101-500"

● =500+ "

NOVEMBER

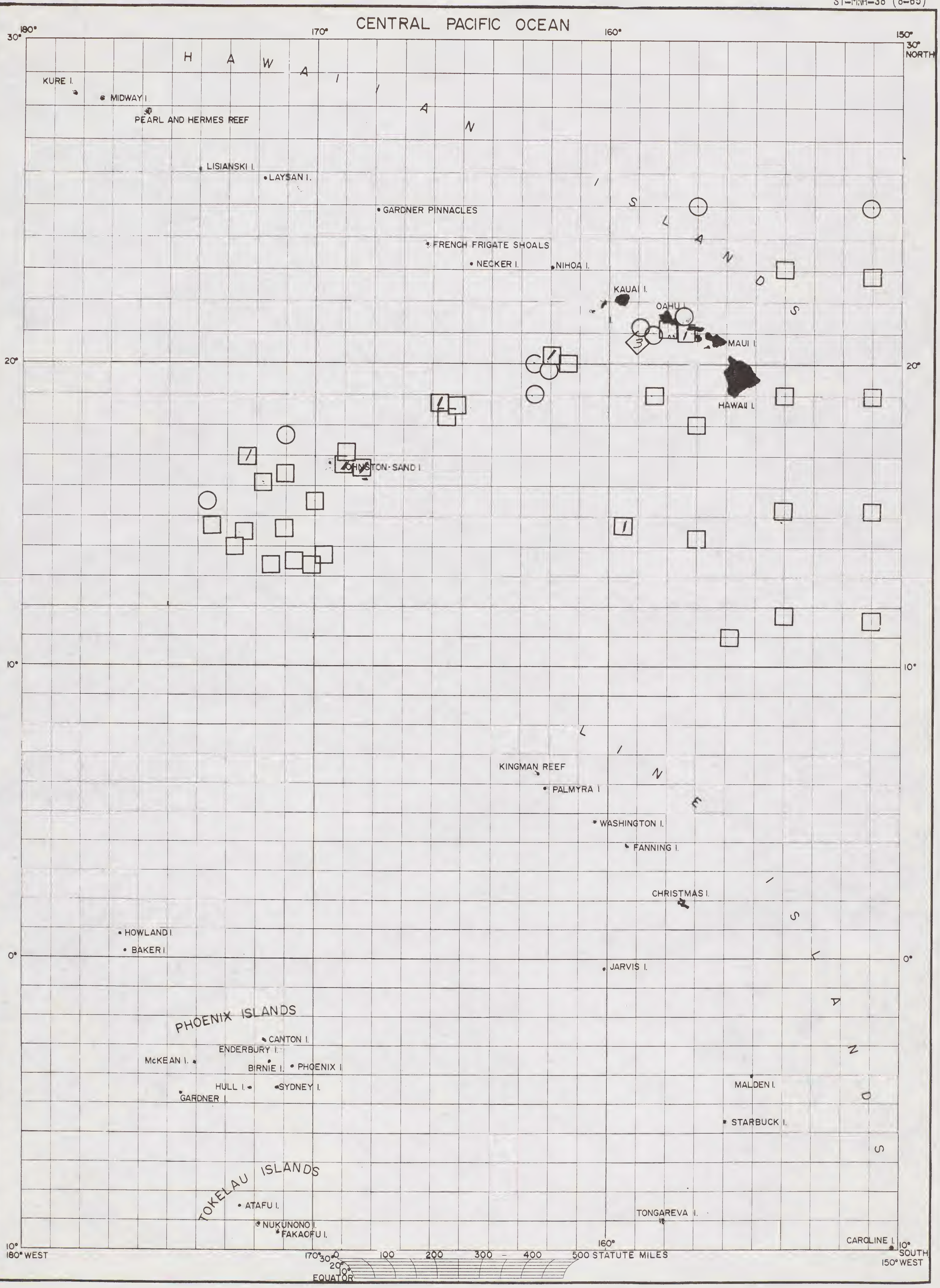
SI-MN4-38(8-65)



□ 1-15 December
○ = 16-31 December
○ = 0 birds
④ = 1-10 "
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500"
● =500+ "

DECEMBER

SI-MNH-38 (8-65)



□ 1-15 December
○ = 16-31 December
○ = 0 birds
④ = 1-10 "
○ =11-25 "
○ =26-50 "
○ =51-100 "
● =101-500"
● =500+ "

DECEMBER

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

180° 170° 160° 150°
30° NORTH
20°
10°
0°
10° SOUTH
180° WEST 150° WEST

HAWAII

KURE I.
MIDWAY I.
PEARL AND HERMES REEF
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TOKELAU ISLANDS
ATAFU I.
NUKUNONO I.
FAKAOFU I.

MALDEN I.
STARBUCK I.
TONGAREVA I.
CAROLINE I.

0 100 200 300 400 500 STATUTE MILES
30° 20° 10° EQUATOR